SEQUENCE LISTING

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					caa Gln											144
					tcc Ser											192
agg Arg 65	cat His	gtg Val	cgg Arg	agc Ser	tac Tyr 70	aat Asn	cac His	ctt Leu	caa Gln	gga Gly 75	gat Asp	gtc Val	cgc Arg	tgg Trp	aga Arg 80	240
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					aag Lys											336
					atc Ile											384
					atg Met											432

130 135 140

gaa ttt aac aat gac tgt aag ctg aag gag agg ata gag gaa aat gga Glu Phe Asn Asn Asp Cys Lys Leu Lys Glu Arg Ile Glu Glu Asn Gly tac aat acc tat gca tca ttt aac tgg cag cat aat ggg agg caa atg 528 Tyr Asn Thr Tyr Ala Ser Phe Asn Trp Gln His Asn Gly Arg Gln Met 170 165 576 tat gtg gca ttg aat gga aaa gga gct cca agg aga gga cag aaa aca Tyr Val Ala Leu Asn Gly Lys Gly Ala Pro Arg Arg Gly Gln Lys Thr 185 cga agg aaa aac acc tct gct cac ttt ctt cca atg gtg gta cac tca 624 Arg Arg Lys Asn Thr Ser Ala His Phe Leu Pro Met Val Val His Ser 200 627 tag

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Val Pro Val Thr Cys Gln Ala Leu Gly Gln Asp Met Val Ser Pro Glu 35 40 45

Ala Thr Asn Ser Ser Ser Ser Ser Phe Ser Ser Pro Ser Ser Ala Gly 50 55 60

Lys Leu Phe Ser Phe Thr Lys Tyr Phe Leu Lys Ile Glu Lys Asn Gly 85 90 95

Lys Val Ser Gly Thr Lys Lys Glu Asn Cys Pro Tyr Ser Ile Leu Glu 100 105 110

Ile Thr Ser Val Glu Ile Gly Val Val Ala Val Lys Ala Ile Asn Ser 115 120 125

Asn Tyr Tyr Leu Ala Met Asn Lys Lys Gly Lys Leu Tyr Gly Ser Lys 130 135 140

Glu Phe Asn Asn Asp Cys Lys Leu Lys Glu Arg Ile Glu Glu Asn Gly 145 150 160

Tyr Asn Thr Tyr Ala Ser Phe Asn Trp Gln His Asn Gly Arg Gln Met
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tacagcatcc	tggagataac	atcagtagaa	atcggagttg	ttgccgtcaa	agccattaac	180
agcaactatt	acttagccat	gaacaagaag	gggaaactct	atggctcaaa	agaatttaac	240
aatgactgta	agctgaagga	gaggatagag	gaaaatggat	acaataccta	tgcatcattt	300
aactggcagc	ataatgggag	gcaaatgtat	gtggcattga	atggaaaagg	agctccaagg	360
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tcataa 426

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Ser	Phe	Thr	Lys 20	Tyr	Phe	Leu	Lys	Ile 25	Glu	Lys	Asn	Gly	Lys 30	Val	Ser	
Gly	Thr	Lys 35	Lys	Glu	Asn	Cys	Pro 40	Tyr	Ser	Ile	Leu	Glu 45	Ile	Thr	Ser	
Val	Glu 50	Ile	Gly	Val	Val	Ala 55	Val	Lys	Ala	Ile	Asn 60	Ser	Asn	Tyr	Tyr	
Leu 65	Ala	Met	Asn	Lys	Lys 70	Gly	Lys	Leu	Tyr	Gly 75	Ser	Lys	Glu	Phe	Asn 80	
Asn	Asp	Cys	Lys	Leu 85	Lys	Glu	Arg	Ile	Glu 90	Glu	Asn	Gly	Tyr	Asn 95	Thr	
Tyr	Ala	Ser	Phe 100	Asn	Trp	Gln	His	Asn 105	Gly	Arg	Gln	Met	Tyr 110	Val	Ala	
Leu	Asn	Gly 115	Lys	Gly	Ala	Pro	Arg 120	Arg	Gly	Gln	Lys	Thr 125	Arg	Arg	Lys [.]	
Asn	Thr 130	Ser	Ala	His	Phe	Leu 135	Pro	Met	Val	Val	His 140	Ser				
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Ser Phe Thr Lys Tyr Phe Leu Lys Ile Glu Lys Asn Gly Lys Val Ser 20 25 30

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Val Glu Ile Gly Val Val Ala Val Lys Ala Ile Asn Ser Asn Tyr Tyr 50 55 60

Leu Ala Met Asn Lys Lys Gly Lys Leu Tyr Gly Ser Lys Glu Phe Asn 65 70 75 80

Asn Asp Cys Lys Leu Lys Glu Arg Ile Glu Glu Asn Gly Tyr Asn Thr $85 \hspace{1.5cm} 90 \hspace{1.5cm} 95$

Tyr Ala Ser Phe Asn Trp Gln His Asn Gly Arg Gln Met Tyr Val Ala 100 105 110

Leu Asn Gly Lys Gly Ala Pro Arg Arg Gly Gln Lys Thr Arg Arg Lys
115 120 125

Asn Thr Ser Ala His Phe Leu Pro Met Val Val His Ser 130 135 140